

**2018 ANNUAL COMMUNICABLE DISEASE REPORT** A 3 YEAR HISTORY OF REPORTED DISEASE IN MIDLAND COUNTY

Case Status: Confirmed, Probable, Suspect

<u>Disease Group</u>	<u>Disease</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>
Foodborne	See Notes and Trends	37	42	29
Influenza	Flu Like Disease*	2212	3480	3097
Influenza	Influenza	14	188	240
Meningitis	Meningitis - Aseptic	2	7	7
Meningitis	Meningitis - Bacterial Other	1	3	1
Meningitis	Streptococcus pneumoniae, Inv	3	7	3
Other	Gastrointestinal Illness*	662	1312	2156
Other	Head Lice*	120	81	216
Other	Histoplasmosis	1	2	3
Other	Legionellosis	3	4	5
Other	Strep Throat*	535	688	540
Other	Streptococcal Dis, Inv, Grp A	4	2	3
Outbreaks Investigated	GI/norovirus (7), Respiratory (6), Other (3)	2	6	8
Rabies	Rabies Animal	1	0	5
STD	Chlamydia (Genital)	213	229	198
STD	Gonorrhea	25	47	26
Tuberculosis	Latent Tuberculosis Infection	0	0	8
VPD	Chickenpox (Varicella)	17	3	3
VPD	Pertussis	1	9	6
VPD	Shingles	13	2	6
Viral Hepatitis	Hepatitis B, Chronic	8	4	3
Viral Hepatitis	Hepatitis C, Acute	5	1	1
Viral Hepatitis	Hepatitis C, Chronic	38	65	50

**Notes and Observed Trends****Foodborne Disease Group**

Includes Campylobacter, Cryptosporidiosis, Giardiasis, Listeriosis, Salmonellosis, Shiga toxin-producing Escherichia coli- STEC, Shigellosis, Typhoid Fever, Yersinia enterocolitica.

**\*Flu-like Disease, Strep Throat, Gastrointestinal Illness, Head Lice**

Aggregate numbers are reported by schools and other congregate settings. This report underestimates the true prevalence in Midland County.

**Influenza**

Influenza testing is done on a small number of cases. This report underestimates the true prevalence in Midland County.

**Outbreaks Investigated**

Local Health Departments investigate reports of communicable disease to understand and ultimately control and prevent the spread of communicable disease. Health care professionals, laboratories, congregate settings and schools are required to report designated conditions, unusual disease and/or excessive disease.

**Rabies, Animal**

Numbers of animals testing positive for rabies in Michigan more than doubled in 2018. 3229 animals were submitted in 2017 with 38 positive (35 bats, 2 skunks, 1 cat). In 2018 3452 animals were tested and 79 were positive (77 bats, 2 skunks). In 2017 Midland County submitted 26 animals for testing with no positive results. In 2018 Midland County submitted 33 animals for testing and 5 bats were positive for rabies.

**Latent Tuberculosis Infection**

Michigan Department of Health and Human Services made latent tuberculosis infection a reportable condition in 2018.

**Hepatitis C, Chronic**

New cases of chronic hepatitis C in Midland County decreased from 65 cases in 2017 to 50 cases in 2018, a 23% decrease. 37 of the 2018 cases were born after 1965. 76% of these cases that provided risk factor data reported injection drug use. The number of new chronic hepatitis C cases in the state of Michigan decreased from 11,275 in 2017 to 9,915 in 2018, a 12% decrease.

**Chickenpox**

Cases of chickenpox decreased from 17 in 2016 to 3 in 2017 and 3 in 2018, an 82% decrease. In 2016 9 cases were vaccinated at recommended levels and 7 cases were confirmed with appropriate lab testing. In 2017 and 2018 5 of the 6 cases were vaccinated at recommended levels and none had appropriate lab testing. The state of Michigan experienced a 20% decrease in cases from 2017 to 2018.